

Level VI

CoC Tier 2



# 12 Watt IT / Medical Series

Wall Mount Type

USA / Europe / UK / Australia /  
China / AC Plug Changeable

mW12 - 1 X X X Y

O/P Voltage ←

U : US Plug  
E : EU Plug  
B : UK Plug  
A : AU Plug  
V : Changeable Plug

### Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS  
No Load Power Consumption Less 0.075W

### Features :

- ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)
- EMC : IEC60601-1-2 : 2014 (edition 4.0)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100µA  
< 10µA (Optional)
- 100-240VAC Universal Input
- Single Output to 12W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
mW12-1003	3.3V	2.00A	6.60W
mW12-1005	5.0V	2.00A	10.00W
mW12-1005-usb	5.0V	2.00A	10.00W
mW12-1005B	5.0V	3.00A	15.00W
mW12-1006	5.9V	2.00A	11.80W
mW12-1006B	6.2V	2.00A	12.40W
mW12-1009	9.0V	1.20A	10.80W
mW12-1012	12.0V	1.00A	12.00W
mW12-1015	15.0V	0.80A	12.00W
mW12-1018	18.0V	0.67A	12.06W
mW12-1024	24.0V	0.50A	12.00W

### Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.32A-0.19A
Protection	Internal Primary Current Fuse
Configuration	U for US Plug
	E for EU Plug
	B for UK Plug
	A for AU Plug
	V for Changeable Plug

### Output

Load Regulation	±5% ( Typical )
Ripple	2% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG
Ferrite Core	No (Optional)

### Safety Approvals

For USA - CB / UL / cUL / FCC / PSE / BSMI  
For Europe & UK - CB / GS / T-mark(TUV) / CE

### Electrical

Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA < 10µA (Optional)
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS Certified
EMI Conduction & Radiation	Compliance to EN55011 Class B
Harmonic Current	Compliance to EN61000-3-2, 3
EMS Immunity	Compliance to IEC60601-1-2
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

### Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

### Mechanical

Case Dimension	U - L 80.2 × W 46 × H 57.5(mm)
	E - L 80.2 × W 46 × H 68.7(mm)
	B - L 80.2 × W 49.6 × H 62.7(mm)
	A - L 80.2 × W 56 × H 40.5(mm)
	V - L 80.2 × W 46 × H 40.5(mm)
Weight	U : 140g E : 145g B : 148g
	A : 144g V : 140g ( Ref. )

